

Attachment A

| Ecological Survey Results for Summers 2002 and 2003

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This attachment consists of tables listing surveyed areas and descriptors of plant communities that occur within each area surveyed. Areas surveyed in summer 2002 include Area C, the stockpile and conveyance road area, the area for the new waste processing facility, the Central Waste Complex (CWC) expansion area, and the W-5 Expansion Area. Note that the plant community descriptors listed for Area C are based on the results of this survey (not the pre-24 Command Fire plant community designations noted in Appendix I). The only area surveyed in summer 2003 was at the Environmental Restoration Disposal Facility (ERDF).

The following notations are used throughout Tables IA.1 through IA.13:

- (a) Percent plant cover was visually estimated
- (b) Blank cells indicate percent cover less than a trace (+)
- (c) R1 = Review Group 1—plant taxon of potential concern that is in need of additional field work before a status can be assigned (WNHP 2002)
- (d) W = Watch List—plant taxon that is of concern, but is considered to be more abundant and/or less threatened in Washington than previously assumed (WNHP 2002)
- (e) + = Trace
- (f) C = Candidate—a species that the Washington Department of Fish and Wildlife will review for possible listing as state endangered, threatened, or sensitive (WDFW 2002)
- (g) SC = Species of Concern—a species whose conservation standing is of concern to the U.S. Fish and Wildlife Service but for which status information still is needed.

Table IA.1. Borrow Area C—Cheatgrass/Needle-and-Thread Grass/Indian Ricegrass

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
coyote	<i>Canis latrans</i>			
elk	<i>Cervus elaphus</i>			
horned lark	<i>Eremophila alpestris</i>			
Northern pocket gopher	<i>Thomomys talpoides</i>			
short-eared owl	<i>Asio flammeus</i>			
side-blotched lizard	<i>Uta stansburiana</i>			
Western meadowlark	<i>Sturnella neglecta</i>			
Plants				
bastard toadflax	<i>Comandra umbellata</i>			
buckwheat milkvetch	<i>Astragalus caricinus</i>			
bur ragweed	<i>Ambrosia acanthicarpa</i>			
Carey's balsamroot	<i>Balsamorhiza careyana</i>			
cheatgrass	<i>Bromus tectorum</i>	50		
Cusick's sunflower	<i>Helianthus cusickii</i>			
cutleaf ladysfoot mustard	<i>Thelypodium laciniatum</i>			
desert mat	<i>Tiquilia nuttallii</i>			
dune scurfpea	<i>Psoralea lanceolata</i>			
fiddleneck	<i>Amsinckia lycopsoides</i>			
Franklin's sandwort	<i>Arenaria franklinii</i>			
green rabbitbrush	<i>Chrysothamnus viscidiflorus</i>			
hoary aster	<i>Machaeranthera canescens</i>			
hoary falseyarrow	<i>Chaenactis douglasii</i>			
Indian ricegrass	<i>Oryzopsis hymenoides</i>	10		
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>			
lamb's quarters	<i>Chenopodium album</i>			
longleaf phlox	<i>Phlox longifolia</i>			
low lupine	<i>Lupinus pusillus</i>			

Table IA.1. (contd)

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
matted cryptantha	<i>Cryptantha circumscissa</i>			
needle-and-thread grass	<i>Stipa comata</i>	15		
Nuttall's coldenia	<i>Coldenia nutallii</i>			
pale evening primrose	<i>Oenothera pallida</i>	5		
pine bluegrass	<i>Poa scabrella</i>			
prairie Junegrass	<i>Koeleria cristata</i>			
prickly lettuce	<i>Lactuca serriola</i>			
purple mat	<i>Nama densum</i> var. <i>parviflorum</i>			R1 ^(c)
rough wallflower	<i>Erysimum asperum</i>			
Russian thistle	<i>Salsola kali</i>			
sagebrush mariposa lily	<i>Calochortus macrocarpus</i>			
sand beardtongue	<i>Penstemon acuminatus</i>	5		
Sandberg's bluegrass	<i>Poa sandbergii</i>			
shy gilia	<i>Gilia sinuata</i>			
slender hawksbeard	<i>Crepis atrabarba</i>			
stalked-pod milkvetch	<i>Astragalus sclerocarpus</i>			W ^(d)
starvation pricklypear	<i>Opuntia polyacantha</i>			
turpentine springparsley	<i>Cymopterus terebinthinus</i>	+ ^(e)		
white sand verbena	<i>Abronia millefolium</i>			
whiteleaf scorpionweed	<i>Phacelia hastata</i>			
winged dock	<i>Rumex venosus</i>			
yarrow	<i>Achillea millefolium</i>			
yellow salsify	<i>Tragopogon dubius</i>			

Table IA.2. Borrow Area C—Needle-and-Thread Grass/Cheatgrass

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
Northern pocket gopher	<i>Thomomys talpoides</i>			
Plants				
buckwheat milkvetch	<i>Astragalus caricinus</i>			
bulbous bluegrass	<i>Poa bulbosa</i>	1		
bur ragweed	<i>Ambrosia acanthicarpa</i>			
cheatgrass	<i>Bromus tectorum</i>	20		
crested wheatgrass	<i>Agropyron cristatum</i>	5		
crouching milkvetch	<i>Astragalus succumbens</i>			W
fiddleneck	<i>Amsinckia lycopsoides</i>			
hoary aster	<i>Machaeranthera canescens</i>			
Indian ricegrass	<i>Oryzopsis hymenoides</i>			
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>			
longleaf phlox	<i>Phlox longifolia</i>			
needle-and-thread grass	<i>Stipa comata</i>	20		
prickly lettuce	<i>Lactuca serriola</i>			
Russian thistle	<i>Salsola kali</i>	5		
sagebrush mariposa lily	<i>Calochortus macrocarpus</i>			
Sandberg's bluegrass	<i>Poa sandbergii</i>			
slimleaf goosefoot	<i>Chenopodium leptophyllum</i>			
yellow salsify	<i>Tragopogon dubius</i>			

Table IA.3. Borrow Area C—Sandberg's Bluegrass/Cheatgrass

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
coyote	<i>Canis latrans</i>			
side-blotched lizard	<i>Uta stansburiana</i>			
Plants				
bluebunch wheatgrass	<i>Agropyron spicatum</i>			
bottlebrush grass	<i>Sitanion hystrrix</i>			
bur ragweed	<i>Ambrosia acanthicarpa</i>			
Carey's balsamroot	<i>Balsamorhiza careyana</i>			
cheatgrass	<i>Bromus tectorum</i>	10		
fiddleneck	<i>Amsinckia lycopsoides</i>			
gray rabbitbrush	<i>Chrysothamnus nauseosus</i>	+		
green rabbitbrush	<i>Chrysothamnus viscidiflorus</i>			
hoary aster	<i>Machaeranthera canescens</i>			
Indian ricegrass	<i>Oryzopsis hymenoides</i>			
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>			
pale evening primrose	<i>Oenothera pallida</i>			
prickly lettuce	<i>Lactuca serriola</i>			
rock buckwheat	<i>Eriogonum sphaerocephalum</i>			
Russian thistle	<i>Salsola kali</i>			
Sandberg's bluegrass	<i>Poa sandbergii</i>	40		
slender hawksbeard	<i>Crepis atrabarba</i>			
starvation pricklypear	<i>Opuntia polyacantha</i>			
yellow salsify	<i>Tragopogon dubius</i>			

Table IA.4. Borrow Area C—Cheatgrass/Indian Ricegrass/Russian Thistle

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
elk	<i>Cervus elaphus</i>			
horned lark	<i>Eremophila alpestris</i>			
side-blotched lizard	<i>Uta stansburiana</i>			
Plants				
asparagus	<i>Asparagus officinalis</i>			
big sagebrush	<i>Artemisia tridentata</i>	+		
buckwheat milkvetch	<i>Astragalus caricinus</i>			
bulbous bluegrass	<i>Poa bulbosa</i>			
bur ragweed	<i>Ambrosia acanthicarpa</i>			
cheatgrass	<i>Bromus tectorum</i>	20		
crested wheatgrass	<i>Agropyron cristatum</i>			
dune seurfpea	<i>Psoralea lanceolata</i>			
fiddleneck	<i>Amsinckia lycopsoides</i>			
gray rabbitbrush	<i>Chrysothamnus nauseosus</i>			
green rabbitbrush	<i>Chrysothamnus viscidiflorus</i>			
hoary aster	<i>Machaeranthera canescens</i>			
Indian ricegrass	<i>Oryzopsis hymenoides</i>	10		
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>			
longleaf phlox	<i>Phlox longifolia</i>			
low lupine	<i>Lupinus pusillus</i>			
matted cryptantha	<i>Cryptantha circumscissa</i>			
needle-and-thread grass	<i>Stipa comata</i>	1		
Nuttall's coldenia	<i>Coldenia nutallii</i>			
pale evening primrose	<i>Oenothera pallida</i>			
prairie Junegrass	<i>Koeleria cristata</i>			
prickly lettuce	<i>Lactuca serriola</i>			
Russian thistle	<i>Salsola kali</i>	10		
sagebrush mariposa lily	<i>Calochortus macrocarpus</i>			
Sandberg's bluegrass	<i>Poa sandbergii</i>	1		
slender hawksbeard	<i>Crepis atrabarba</i>			
stalked-pod milkvetch	<i>Astragalus sclerocarpus</i>			W
stiff wirelettuce	<i>Stephanomeria paniculata</i>			
turpentine springparsley	<i>Cymopterus terebinthinus</i>			
yarrow	<i>Achillea millefolium</i>			
yellow bell	<i>Fritillaria pudica</i>			
yellow salsify	<i>Tragopogon dubius</i>			

Table IA.5. Borrow Area C—Cheatgrass/Sandberg's Bluegrass/Jim Hill's Tumblemustard

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
badger	<i>Taxidea taxus</i>			
coyote	<i>Canis latrans</i>			
elk	<i>Cervus elaphus</i>			
horned lark	<i>Eremophila alpestris</i>			
mule deer	<i>Odocoileus hemionus</i>			
northern pocket gopher	<i>Thomomys talpoides</i>			
side-blotched lizard	<i>Uta stansburiana</i>			
Western meadowlark	<i>Sturnella neglecta</i>			
Plants				
annual Jacob's ladder	<i>Polemonium micranthum</i>			
bastard toadflax	<i>Comandra umbellata</i>			
big sagebrush	<i>Artemisia tridentata</i>			
blue mustard	<i>Chorispora tenella</i>			
bluebunch wheatgrass	<i>Agropyron spicatum</i>			
bottlebrush grass	<i>Sitanion hystrix</i>			
buckwheat milkvetch	<i>Astragalus carnicinus</i>			
bulbous bluegrass	<i>Poa bulbosa</i>			
bur ragweed	<i>Ambrosia acanthicarpa</i>			
Carey's balsamroot	<i>Balsamorhiza careyana</i>			
cheatgrass	<i>Bromus tectorum</i>	55		
crested wheatgrass	<i>Agropyron cristatum</i>			
crouching milkvetch	<i>Astragalus succumbens</i>			W
Cusick's sunflower	<i>Helianthus cusickii</i>			
cutleaf ladysfoot mustard	<i>Thelypodium laciniatum</i>			
desert mat	<i>Tiquilia nuttallii</i>			
dune surfpea	<i>Psoralea lanceolata</i>			
fiddleneck	<i>Amsinckia lycopsoides</i>			
giant wildrye	<i>Elymus cinereus</i>			
gray rabbitbrush	<i>Chrysothamnus nauseosus</i>			
green rabbitbrush	<i>Chrysothamnus viscidiflorus</i>			
hoary aster	<i>Machaeranthera canescens</i>			
hoary falseyarrow	<i>Chaenactis douglasii</i>			
Indian ricegrass	<i>Oryzopsis hymenoides</i>	+		
jagged chickweed	<i>Holosteum umbellatum</i>			
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>	10		
lamb's quarters	<i>Chenopodium album</i>			
longleaf phlox	<i>Phlox longifolia</i>			
low lupine	<i>Lupinus pusillus</i>			

Table IA.5. (contd)

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
matted cryptantha	<i>Cryptantha circumscissa</i>			
Munro's globemallow	<i>Sphaeralcea munroana</i>			
needle-and-thread grass	<i>Stipa comata</i>			
Nuttall's coldenia	<i>Coldenia nutallii</i>			
pale evening primrose	<i>Oenothera pallida</i>			
prairie Junegrass	<i>Koeleria cristata</i>			
prickly lettuce	<i>Lactuca serriola</i>			
purple mat	<i>Nama densum</i>			R1
rough wallflower	<i>Erysimum asperum</i>			
rush skeletonweed	<i>Chondrilla juncea</i>			
Russian thistle	<i>Salsola kali</i>			
sagebrush mariposa lily	<i>Calochortus macrocarpus</i>			
sand beardtongue	<i>Penstemon acuminatus</i>			
Sandberg's bluegrass	<i>Poa sandbergii</i>	15		
shaggy fleabane	<i>Erigeron pumilis</i>			
shy gilia	<i>Gilia sinuata</i>			
slender hawksbeard	<i>Crepis atrabarba</i>			
slimleaf goosefoot	<i>Chenopodium leptophyllum</i>			
spiny hopsage	<i>Grayia spinosa</i>			

Table IA.6. Borrow Area C—Cheatgrass

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
coyote	<i>Canis latrans</i>			
elk	<i>Cervus elaphus</i>			
side-blotched lizard	<i>Uta stansburiana</i>			
Plants				
big sagebrush	<i>Artemisia tridentata</i>			
buckwheat milkvetch	<i>Astragalus caricinus</i>			
bur ragweed	<i>Ambrosia acanthicarpa</i>			
cheatgrass	<i>Bromus tectorum</i>	50		
crouching milkvetch	<i>Astragalus succumbens</i>			W
dune surfpea	<i>Psoralea lanceolata</i>			
gray rabbitbrush	<i>Chrysothamnus nauseosus</i>			
green rabbitbrush	<i>Chrysothamnus viscidiflorus</i>			
hoary aster	<i>Machaeranthera canescens</i>	1		
Indian ricegrass	<i>Oryzopsis hymenoides</i>	1		
jagged chickweed	<i>Holosteum umbellatum</i>			
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>			
lamb's quarters	<i>Chenopodium album</i>			
low lupine	<i>Lupinus pusillus</i>			
Munro's globemallow	<i>Sphaeralcea munroana</i>			
needle-and-thread grass	<i>Stipa comata</i>			
pale evening primrose	<i>Oenothera pallida</i>			
prickly lettuce	<i>Lactuca serriola</i>			
Russian thistle	<i>Salsola kali</i>			
sand beardtongue	<i>Penstemon acuminatus</i>			
Sandberg's bluegrass	<i>Poa sandbergii</i>	5		
tall willowherb	<i>Epilobium paniculatum</i>			
turpentine springparsley	<i>Cymopterus terebinthinus</i>			
white sand verbena	<i>Abronia millefolium</i>			
yarrow	<i>Achillea millefolium</i>			
yellow salsify	<i>Tragopogon dubius</i>			

Table IA.7. Borrow Area C—Cheatgrass/Indian Ricegrass

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Plants				
blue verbena	<i>Verbena hastata</i>			
buckwheat milkvetch	<i>Astragalus caricinus</i>			
bur ragweed	<i>Ambrosia acanthicarpa</i>			
cheatgrass	<i>Bromus tectorum</i>	20		
crouching milkvetch	<i>Astragalus succumbens</i>	+		W
desert mat	<i>Tiquilia nuttallii</i>			
dune surfpea	<i>Psoralea lanceolata</i>			
fiddleneck	<i>Amsinckia lycopsoides</i>			
gray rabbitbrush	<i>Chrysothamnus nauseosus</i>			
green rabbitbrush	<i>Chrysothamnus viscidiflorus</i>			
hoary aster	<i>Machaeranthera canescens</i>			
Indian ricegrass	<i>Oryzopsis hymenoides</i>	10		
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>			
low lupine	<i>Lupinus pusillus</i>			
Munro's globemallow	<i>Sphaeralcea munroana</i>			
needle-and-thread grass	<i>Stipa comata</i>	1		
pale evening primrose	<i>Oenothera pallida</i>			
Russian thistle	<i>Salsola kali</i>	+		
sand beardtongue	<i>Penstemon acuminatus</i>			
turpentine springparsley	<i>Cymopterus terebinthinus</i>			
white sand verbena	<i>Abronia millefolium</i>			

Table IA.8. Borrow Area C—Gray Rabbitbrush/Cheatgrass

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
coyote	<i>Canis latrans</i>			
horned lark	<i>Eremophila alpestris</i>			
lark sparrow	<i>Chondestes grammacus</i>			
rock wren	<i>Salpinctes obsoletus</i>			
Plants				
big sagebrush	<i>Artemisia tridentata</i>	1		
blazingstar	<i>Mentzelia laevicaulis</i>	1		
bottlebrush grass	<i>Sitanion hystrix</i>			
bulbous bluegrass	<i>Poa bulbosa</i>			
cheatgrass	<i>Bromus tectorum</i>	30		
fiddleneck	<i>Amsinckia lycopsoides</i>			
gray rabbitbrush	<i>Chrysothamnus nauseosus</i>	5		
hoary aster	<i>Machaeranthera canescens</i>			
hoary falsearrow	<i>Chaenactis douglasii</i>			
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>			
longleaf phlox	<i>Phlox longifolia</i>			
prickly lettuce	<i>Lactuca serriola</i>			
Sandberg's bluegrass	<i>Poa sandbergii</i>	5		
slender hawksbeard	<i>Crepis atrabarba</i>			
spiny hopsage	<i>Grayia spinosa</i>			
stalked-pod milkvetch	<i>Astragalus sclerocarpus</i>			W
threadleaf fleabane	<i>Erigeron filifolius</i>			
whitestem stickleaf	<i>Mentzelia albicaulis</i>			
yellow salsify	<i>Tragopogon dubius</i>			

Table IA.9. Stockpile and Conveyance Road Area—Russian Thistle/Cheatgrass/Dune Scurfpea

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
black-tailed jackrabbit	<i>Lepus californicus</i>			C ^(b)
coyote	<i>Canis latrans</i>			
horned lark	<i>Eremophila alpestris</i>			
mourning dove	<i>Zenaida macroura</i>			
Western kingbird	<i>Tyrannus verticalis</i>			
Western meadowlark	<i>Sturnella neglecta</i>			
Plants				
bastard toadflax	<i>Comandra umbellata</i>			
big sagebrush	<i>Artemisia tridentata</i>			
bur ragweed	<i>Ambrosia acanthicarpa</i>			
Carey's balsamroot	<i>Balsamorhiza careyana</i>			
cheatgrass	<i>Bromus tectorum</i>	15		
desert mat	<i>Tiquilia nuttallii</i>			
dune scurfpea	<i>Psoralea lanceolata</i>	10		
hoary aster	<i>Machaeranthera canescens</i>			
Indian ricegrass	<i>Oryzopsis hymenoides</i>	5		
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>			
lamb's quarters	<i>Chenopodium album</i>			
longleaf phlox	<i>Phlox longifolia</i>			
low lupine	<i>Lupinus pusillus</i>			
matted cryptantha	<i>Cryptantha circumscissa</i>			
needle-and-thread grass	<i>Stipa comata</i>	1		
oat	<i>Avena sativa</i>			
pale evening primrose	<i>Oenothera pallida</i>			
prickly lettuce	<i>Lactuca serriola</i>			
purple mat	<i>Nama densum</i>			R1
Russian thistle	<i>Salsola kali</i>	30		
sagebrush mariposa lily	<i>Calochortus macrocarpus</i>			
sand beardtongue	<i>Penstemon acuminatus</i>			
Sandberg's bluegrass	<i>Poa sandbergii</i>	5		
sheep fescue	<i>Festuca ovina</i>			
slender hawksbeard	<i>Crepis atrabarba</i>			
slimleaf goosefoot	<i>Chenopodium leptophyllum</i>			
stalked-pod milkvetch	<i>Astragalus sclerocarpus</i>			W
tall willowherb	<i>Epilobium paniculatum</i>			
thickspike wheatgrass	<i>Agropyron dasystachyum</i>			
turpentine springparsley	<i>Cymopteris terebinthus</i>			
Western tansymustard	<i>Descurainia pinnata</i>			
white sand verbena	<i>Abronia millefolium</i>			

Table IA.9. (contd)

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
whitestem stickleaf	<i>Mentzelia albicaulis</i>			
winged dock	<i>Rumex venosus</i>			
yarrow	<i>Achillea millefolium</i>			
yellow salsify	<i>Tragopogon dubius</i>			

Table IA.10. Area for the New Waste Processing Facility—Bur Ragweed

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
cliff swallow	<i>Hirundo pyrrhonota</i>			
coyote	<i>Canis latrans</i>			
Plants				
bastard toadflax	<i>Comandra umbellata</i>			
big sagebrush	<i>Artemisia tridentata</i>			
bigseed desertparsley	<i>Lomatium macrocarpum</i>			
blue wildrye	<i>Elymus glaucus</i>			
bottlebrush grass	<i>Sitanion hystrix</i>			
buckwheat milkvetch	<i>Astragalus caricinus</i>			
bur ragweed	<i>Ambrosia acanthicarpa</i>	10		
Carey's balsamroot	<i>Balsamorhiza careyana</i>			
cheatgrass	<i>Bromus tectorum</i>			
crested wheatgrass	<i>Agropyron cristatum</i>			
Douglas' clusterlily	<i>Brodiaea douglasii</i>			
fiddleneck	<i>Amsinckia lycopsoides</i>			
fourwing saltbush	<i>Atriplex canescens</i>			
green rabbitbrush	<i>Chrysothamnus viscidiflorus</i>			
hoary aster	<i>Machaeranthera canescens</i>			
hoary falseyarrow	<i>Chaenactis douglasii</i>			
Indian ricegrass	<i>Oryzopsis hymenoides</i>			
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>			
longleaf phlox	<i>Phlox longifolia</i>			
low lupine	<i>Lupinus pusillus</i>			
matted cryptantha	<i>Cryptantha circumscissa</i>			
needle-and-thread grass	<i>Stipa comata</i>			
prickly lettuce	<i>Lactuca serriola</i>			
Russian thistle	<i>Salsola kali</i>			
sagebrush mariposa lily	<i>Calochortus macrocarpus</i>			
sand beardtongue	<i>Penstemon acuminatus</i>			
Sandberg's bluegrass	<i>Poa sandbergii</i>	+		
slender hawksbeard	<i>Crepis atrabarba</i>			
slender sixweeks	<i>Festuca octoflora</i>			
slimleaf goosefoot	<i>Chenopodium leptophyllum</i>			
stalked-pod milkvetch	<i>Astragalus sclerocarpus</i>			W
turpentine springparsley	<i>Cymopterus terebinthinus</i>			
Western tansymustard	<i>Descurainia pinnata</i>			
yarrow	<i>Achillea millefolium</i>			
yellow salsify	<i>Tragopogon dubius</i>			

Table IA. 11. W-5 Expansion Area—Sandberg's Bluegrass/Cheatgrass/Indian Ricegrass/Russian Thistle

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
badger	<i>Taxidea taxus</i>			
coyote	<i>Canis latrans</i>			
Great Basin pocket mouse	<i>Perognathus parvus</i>			
horned lark	<i>Eremophila alpestris</i>			
mourning dove	<i>Zenaida macroura</i>			
mule deer	<i>Odocoileus hemionus</i>			
Western meadowlark	<i>Sturnella neglecta</i>			
Plants				
annual mountain dandelion	<i>Agoseris heterophylla</i>			
bastard toadflax	<i>Comandra umbellata</i>			
big sagebrush	<i>Artemisia tridentata</i>			
bigseed desertparsley	<i>Lomatium macrocarpum</i>			
bluebunch wheatgrass	<i>Agropyron spicatum</i>			
bottlebrush grass	<i>Sitanion hystrix</i>			
broom buckwheat	<i>Eriogonum vimineum</i>			
buckwheat milkvetch	<i>Astragalus caricinus</i>			
bur ragweed	<i>Ambrosia acanthicarpa</i>			
Carey's balsamroot	<i>Balsamorhiza careyana</i>			
cheatgrass	<i>Bromus tectorum</i>	15		
crested wheatgrass	<i>Agropyron cristatum</i>			
crouching milkvetch	<i>Astragalus succumbens</i>			W
cutleaf ladysfoot mustard	<i>Thelypodium laciniatum</i>			
desert mat	<i>Tiquilia nuttallii</i>			
Douglas' clusterlily	<i>Brodiaea douglasii</i>			
false buckwheat	<i>Oxytheca dendroides</i>			
fiddleneck	<i>Amsinckia lycopsoides</i>			
flattop broomrape	<i>Orobanche corymbosa</i>			
flixweed	<i>Descurainia sophia</i>			
fourwing saltbush	<i>Artriplex canescens</i>			
gray rabbitbrush	<i>Chrysothamnus nauseosus</i>			
green rabbitbrush	<i>Chrysothamnus viscidiflorus</i>			
hoary aster	<i>Machaeranthera canescens</i>			
hoary falsearrow	<i>Chaenactis douglasii</i>			
Indian ricegrass	<i>Oryzopsis hymenoides</i>	10		
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>			
lamb's quarters	<i>Chenopodium album</i>			
longleaf phlox	<i>Phlox longifolia</i>			
low lupine	<i>Lupinus pusillus</i>			
matted cryptantha	<i>Cryptantha circumscissa</i>			

Table IA.11. (contd)

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Munro's globemallow	<i>Sphaeralcea munroana</i>			
needle-and-thread grass	<i>Stipa comata</i>			
oat	<i>Avena sativa</i>			
pink microsteris	<i>Microsteris gracilis</i>			
prickly lettuce	<i>Lactuca serriola</i>			
purple mat	<i>Nama densum</i>			R1
Russian thistle	<i>Salsola kali</i>	10		
sagebrush mariposa lily	<i>Calochortus macrocarpus</i>			
sand beardtongue	<i>Penstemon acuminatus</i>			
sand dropseed	<i>Sporobolus cryptandrus</i>			
Sandberg's bluegrass	<i>Poa sandbergii</i>	20		
shy gilia	<i>Gilia sinuata</i>			
slender hawksbeard	<i>Crepis atrabarba</i>			
slender sixweeks	<i>Festuca octoflora</i>			
slimleaf goosefoot	<i>Chenopodium leptophyllum</i>			
squirreltail barley	<i>Hordeum jubatum</i>			
stalked-pod milkvetch	<i>Astragalus sclerocarpus</i>			W
sticky scorpionweed	<i>Phacelia glandulifera</i>			
stiff wirelettuce	<i>Stephanomeria paniculata</i>	+		
tall willowherb	<i>Epilobium paniculatum</i>			
thickspike wheatgrass	<i>Agropyron dasystachyum</i>			
threadleaf fleabane	<i>Erigeron filifolius</i>			
turpentine springparsley	<i>Cymopterus terebinthinus</i>	5		
Western tansymustard	<i>Descurainia pinnata</i>			
whitestem stickleaf	<i>Mentzelia albicaulis</i>			
yarrow	<i>Achillea millefolium</i>			
yellow bell	<i>Fritillaria pudica</i>			
yellow salsify	<i>Tragopogon dubius</i>			

Table IA.12. CWC Expansion Area—Russian Thistle

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
coyote	<i>Canis latrans</i>			
Western meadowlark	<i>Sturnella neglecta</i>			
Plants				
bastard toadflax	<i>Comandra umbellata</i>			
big sagebrush	<i>Artemisia tridentata</i>			
bottlebrush grass	<i>Sitanion hystrix</i>			
bur ragweed	<i>Ambrosia acanthicarpa</i>			
Carey's balsamroot	<i>Balsamorhiza careyana</i>			
cheatgrass	<i>Bromus tectorum</i>	5		
common groundsel	<i>Senecio vulgaris</i>			
crested wheatgrass	<i>Agropyron cristatum</i>	1		
fiddleneck	<i>Amsinckia lycopsoides</i>			
flixweed	<i>Descurainia sophia</i>			
fourwing saltbush	<i>Atriplex canescens</i>			
hoary aster	<i>Machaeranthera canescens</i>			
Indian ricegrass	<i>Oryzopsis hymenoides</i>			
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>			
longleaf phlox	<i>Phlox longifolia</i>			
needle-and-thread grass	<i>Stipa comata</i>			
prickly lettuce	<i>Lactuca serriola</i>			
purple mat	<i>Nama densum</i>			R1
Russian thistle	<i>Salsola kali</i>	20		
rye	<i>Secale cereale</i>			
sagebrush mariposa lily	<i>Calochortus macrocarpus</i>			
shy gilia	<i>Gilia sinuata</i>			
slender hawksbeard	<i>Crepis atrabarba</i>			
slender sixweeks	<i>Festuca octoflora</i>			
squirreltail barley	<i>Hordeum jubatum</i>			
stalked-pod milkvetch	<i>Astragalus sclerocarpus</i>			W
tall willowherb	<i>Epilobium paniculatum</i>			
thickspike wheatgrass	<i>Agropyron dasystachyum</i>			
threadleaf scorpionweed	<i>Phacelia linearis</i>			
turpentine springparsley	<i>Cymopterus terebinthinus</i>			
Western tansymustard	<i>Descurainia pinnata</i>			
wheat	<i>Triticum aestivum</i>			
whitestem stickleaf	<i>Mentzelia albicaulis</i>			
yarrow	<i>Achillea millefolium</i>			
yellow bell	<i>Fritillaria pudica</i>			
yellow salsify	<i>Tragopogon dubius</i>			

Table IA.13. At the ERDF Site (within 1 km of ERDF)—Cheatgrass

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
Animals				
coyote	<i>Canis latrans</i>			
horned lark	<i>Eremophila alpestris</i>			
loggerhead shrike	<i>Lanius ludovicianus</i>		SC ^(g)	C
Northern pocket gopher	<i>Thomomys talpoides</i>			
side-blotched lizard	<i>Uta stansburiana</i>			
Western meadowlark	<i>Sturnella neglecta</i>			
Plants				
annual mountain dandelion	<i>Agoseris heterophylla</i>			
asparagus	<i>Asparagus officinalis</i>			
bastard toadflax	<i>Comandra umbellata</i>			
big sagebrush	<i>Artemisia tridentata</i>			
bottlebrush grass	<i>Sitanion hystrix</i>			
broom buckwheat	<i>Eriogonum vimineum</i>			
buckwheat milkvetch	<i>Astragalus caricinus</i>			
bulbous bluegrass	<i>Poa bulbosa</i>			
bur ragweed	<i>Ambrosia acanthicarpa</i>			
carey's balsamroot	<i>Balsamorhiza careyana</i>			
cheatgrass	<i>Bromus tectorum</i>	40		
devil's lettuce	<i>Amsinckia tessellata</i>			
fiddleneck	<i>Amsinckia lycopsoides</i>			
flixweed	<i>Descurainia sophia</i>			
gray rabbitbrush	<i>Chrysothamnus nauseosus</i>			
green rabbitbrush	<i>Chrysothamnus viscidiflorus</i>			
hoary aster	<i>Machaeranthera canescens</i>	1		
hoary falsearrow	<i>Chaenactis douglasii</i>			
Indian ricegrass	<i>Oryzopsis hymenoides</i>			
jagged chickweed	<i>Holosteum umbellatum</i>			
Jim Hill's tumblemustard	<i>Sisymbrium altissimum</i>	1		
longleaf phlox	<i>Phlox longifolia</i>			
matted cryptantha	<i>Cryptantha circumscissa</i>	+		
Munro's globemallow	<i>Sphaeralcea munroana</i>			
needle-and-thread grass	<i>Stipa comata</i>			
pale evening primrose	<i>Oenothera pallida</i>			
pine bluegrass	<i>Poa scabrella</i>			
pink microsteris	<i>Microsteris gracilis</i>			
prickly lettuce	<i>Lactuca serriola</i>			
Russian thistle	<i>Salsola kali</i>	1		
sagebrush mariposa lily	<i>Calochortus macrocarpus</i>			
Sandberg's bluegrass	<i>Poa sandbergii</i>			
shy gilia	<i>Gilia sinuata</i>			

Table IA.13. (contd)

Common Name	Scientific Name	Plant Cover (%) ^(a, b)	Federal Status	State Status
slender hawksbeard	<i>Crepis atrabarba</i>			
slender sixweeks	<i>Festuca octoflora</i>			
small sixweeks	<i>Festuca macrostachys</i>			
Spring whitlowgrass	<i>Draba verna</i>			
stalked-pod milkvetch	<i>Astragalus sclerocarpus</i>			W
tall willowherb	<i>Epilobium paniculatum</i>			
thickspike wheatgrass	<i>Agropyron dasytachyum</i>			
threadleaf scorpionweed	<i>Phacelia linearis</i>			
turpentine springparsley	<i>Cymopterus terebinthinus</i>			
upland larkspur	<i>Delphinium nuttallianum</i>			
Western tansymustard	<i>Descurainia pinnata</i>			
white-daisy tidytips	<i>Layia glandulosa</i>			
whitestem stickleaf	<i>Mentzelia albicaulis</i>			
winged cryptantha	<i>Cryptantha pterocarya</i>			
yarrow	<i>Achillea millefolium</i>			
yellow bell	<i>Fritillaria pudica</i>			